

Chief, Commo Engineering Branch

25 May 1951

Chief, Commo Operations Branch

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[] Proposed New Receiving Site

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REF : Our memorandum of 4 May 1951, to Chief, Engineering Branch, subject []

1. Attached to the referenced memo was a drawing of the proposed new receiving site. This drawing was sent in by the Chief of [] and represents their ideas and desires for building facilities at the new site. On the surface, the percentage of area occupied by the living quarters in this building would seem unjustifiable. This memorandum will bring out facts which will explain the necessity for the design.

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Lumber

3. As a result of this housing shortage, quarters were included at the present receiving and transmitting sites. These quarters are now filled, yet the staff is operating at only 39% of its full T/O strength. Single men and, married men who have not yet found housing, occupy these quarters.

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4. Plans call for six bedrooms in the proposed new building. These rooms are adequately large for two men per room thus twelve men could be housed here. The availability of this much space would entirely alleviate the housing shortage at [] unless an unforeseeable expansion took place.

5. From an operating standpoint the proximity of the personnel to their work is beneficial. They are more readily available during a larger percentage of their off duty time should an emergency arise. Split-shifts are much more agreeable to the men under these conditions and this type of shift is often essential. From experience the men take much more interest in the station when it is their home. They feel a personal responsibility for it since they must live with it 24 hours per day.

6. Overall physical security is increased manifold when men are quartered within the operating building. The station at present operates for 16 hours per day, seven days per week. If quarters are not included, a duty officer will have to be present during the eight off-duty hours each day. If quarters are included for several men, this problem is virtually eliminated as it can easily be arranged to assure that at least one man of the several quartered within the building will be present in the building during the eight hour off-duty period.

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7. Experience at [] indicates the morale of the men is good under these conditions. Radio men inherently like to be around other radio men who can talk their language. Most of them even have hobbies dealing with electronics. Thus, they generally form a rather congenial group when held close together. There are always those who do not fit in and these men still have the opportunity to accept the type housing they would normally get should we not furnish housing.

8. It is therefore considered highly essential by this office that the quarters be included as shown on the proposed plan. As a suggestion the bedroom between the day room and the lavatory would be better placed from a noise standpoint if it were on the end wall with the day room between it and the lavatory. It is requested that these facts be made a part of the attachments originally sent with the reference memorandum.

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cc: SECURITY

ORIG: OPS/WLS/hmf

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Chief, Engineering Branch

4 May 1951

Chief, Operations Branch

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[REDACTED]

1. Attached is a memorandum from [REDACTED] of this Branch in which he explains a proposal which has been presented by the Chief [REDACTED] and the Chief [REDACTED]

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2. The Operations Branch concurs in this proposed expansion as suggested. It is requested that this proposal be put in project form and presented to the proper authorities for approval.

[REDACTED]

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[REDACTED]

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Chief, Operations Branch

7 May 1951

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1. The writer recently returned from a trip to [redacted] where he visited our [redacted] radio base. During this visit a study was made of the facilities as they exist and of a proposal for expansion. The following facts were obtained and are set forth in the succeeding paragraphs.

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2. [redacted] the transmitting site, is quite adequate in its present form. This is a new installation and in excellent condition. It is used only as a transmitter facility and as quarters for up to six men. No expansion or improvements seem to be required here under the present contemplated work load.

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3. [redacted] the receiving site, is used for the following purposes:

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a. As the receiving facility.

b. As the Communications Supply facility for most of Europe.

c. As the [redacted] motor pool facility.

d. As quarters for five men.

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e. As the communications repair shop for all communications equipment [redacted]

f. As the Office of the Chief [redacted] radio station.

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4. The increasing responsibilities placed on [redacted] have rapidly made the facilities mentioned in subparagraphs 3a, 3b, 3c, 3d, and 3e entirely inadequate. This is particularly true in view of a contemplated increased work load which will result from future OSO/OPC operations in this area. The limitations to the receiving facility alone are as follows:

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a. No further space is available for the erection of new antennae required to cover new areas of operation.

b. No further space is available within the present receiver building for construction of more radio operating positions beyond the five now installed.

c. Electrical interference is becoming a problem. Directly across the road in front of the site is a new and extensive motor maintenance shop. Here such interference creating devices as arc welders and electric drills are operated throughout the day. Motor convoys are formed in front of this shop causing considerable ignition interference on the higher frequencies.

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5. The limitations to the supply facilities are as follows:

a. Storage space for supply material is inadequate. Several tons of committed communications equipment are presently stored outside on the ground for lack of inside storage space. None of this equipment can be dispersed to [] as it must be immediately available.

b. Space is at a premium in the packing section of supply. The carpenter shop where crates are built for packing is in a very small building 30 feet away from the supply wing. Packing of classified equipment must be done in a separate crowded room in the rear of the wing.

c. Testing and repair facilities for the supply facility are small and lacking in space.

6. The motor pool has no grease pit and no place into which the trucks may be driven for repair in foul weather. Only small vehicles can be driven in the small building used primarily as a carpenter shop.

7. All five bachelor quarters at the present [] site are filled and more space is required. Housing is extremely short in the area and it is usually necessary for the personnel living off the base to find housing in []

8. It is proposed that the receiving facility itself be moved to a new area on the south edge of []. An approximately 100 acre plot can be obtained from [] in this area. This plot is removed from the general building area of [] and should be very quiet from an electrical noise standpoint. It is not included in future expansion planning for []. Further, its use can be obtained at no cost to this organization. To install the receiving facility at this spot would require the following. (See Attachment A):

a. Construction of a new building to house the receiving facility include an emergency power generator building. The main building will provide quarters for five men in addition to the office for the Chief of []

b. Construction of a suitable antenna installation within the 100 acre plot.

c. Installation of improvements for the area such as paved roadway, utilities, fence, etc.

9. The present site will then be turned over to the supply, motor pool, and communications maintenance facilities. These facilities are already there but will gain the use of two approximately 12 foot x 12 foot rooms and one approximately 12 foot x 35 foot room when the receiving facility moves out. A new wing

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25X1A proposed in paragraph 7 of [] dated 18 December 1950. It is proposed to include this wing in the overall proposal as the space provided by its construction will augment the space obtained from the move by the receiving facility thus completely relieving the existing shortage of space. The bachelor quarters presently in this building would remain.

10. Total cost of this expansion would be as follows:

Cost of new receiving facility (broken down in Attachment A)	\$55,660.00
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Cost of new wing on present building (See Attachment B)	14,000.00
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TOTAL	<u>\$69,660.00</u>
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11. The undersigned believes from what he has seen at [] backed up by the two attachments, that the proposed expansion is essential for efficient coverage of our communications responsibilities at that radio base.

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Attachments: 2

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Chief, Communications Division

26 April 1951

Chief, Operations Branch

Extension of [] Facilities

REF: Letter dated 18 April 1951 from Chief of [] Base Radio Station to Chief []

1. The reference contains certain details relating to a proposed extension of the facilities at the [] Base Radio Station. [] advises us of other details resulting from his recent trip to the [] site. After a study of the proposal as a whole, this office makes the following comments and recommendations.

2. Certain limitations exist in the present [] installation, which make present operations difficult and future expansion virtually impossible. They are:

- A. A lack of further space for expansion of the antenna field beyond its present size.
- B. Increasing difficulty due to electrical interference [] [] installations adjacent to the receiving site. Directly across the road in front of the site is a new and extensive motor maintenance shop. Here such interference-creating devices as arc welders and electric drills are operated throughout the day. Motor convoys are formed at this shop causing considerable ignition interference on the higher frequencies.
- C. No further space is available in the present building for further addition of radio receiving positions beyond the five already installed.
- D. The supply activity at the [] receiving site has completely outgrown the space available for it. This activity handles all communications supplies for most of []. At present several thousand pounds of crated equipment committed to planned operations must be stored outside on the ground under a tarpaulin.
- E. The only motor vehicle repair shop at [] is too small to accommodate the motor pool trucks. This building is also the carpenter shop.

3. The following proposals are presented for the alteration and expansion of this site:

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A. A new building to be built on a 100-acre site available in the southern tip of [] A drawing of such a building is part of reference letter. This building would house the following facilities:

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(1) The radio receiving operating room with adequate space for a maximum of 12 manual positions and 4 automatic positions, and the required offices etc. necessary to administer such an installation.

(2) Quarters for five men.

B. A suitable antenna field to be constructed on the 100-acre plot obtainable from [] Preliminary details of such an antenna field are part of reference letter. This office recommends that the Engineering Branch be asked to advise us on this antenna field.

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C. Other improvements to the area to be made, such as construction of a paved roadway into the building area, installation of utilities, construction of fence, etc.

D. The present receiver site area to be then made available for use as follows:

(1) As Commo supply.

(2) As motor pool with a suitable maintenance shop

(3) As a laboratory and maintenance shop for communications equipment

(4) As quarters for part of the [] personnel

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4. Approximate cost of this project is outlined in the reference. From past experience and in view of our continuing good relations with [] at [] it is felt some of the work on this project can be done by [] at no cost to this organization. For instance, antenna poles are usually furnished and erected by [] at no cost. They will also supply ditch digging equipment plus crew for laying keying line cable.

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5. This office recommends that this project be implemented along the general lines as stated.

WLS/ARE/zu

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OPS/ []
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